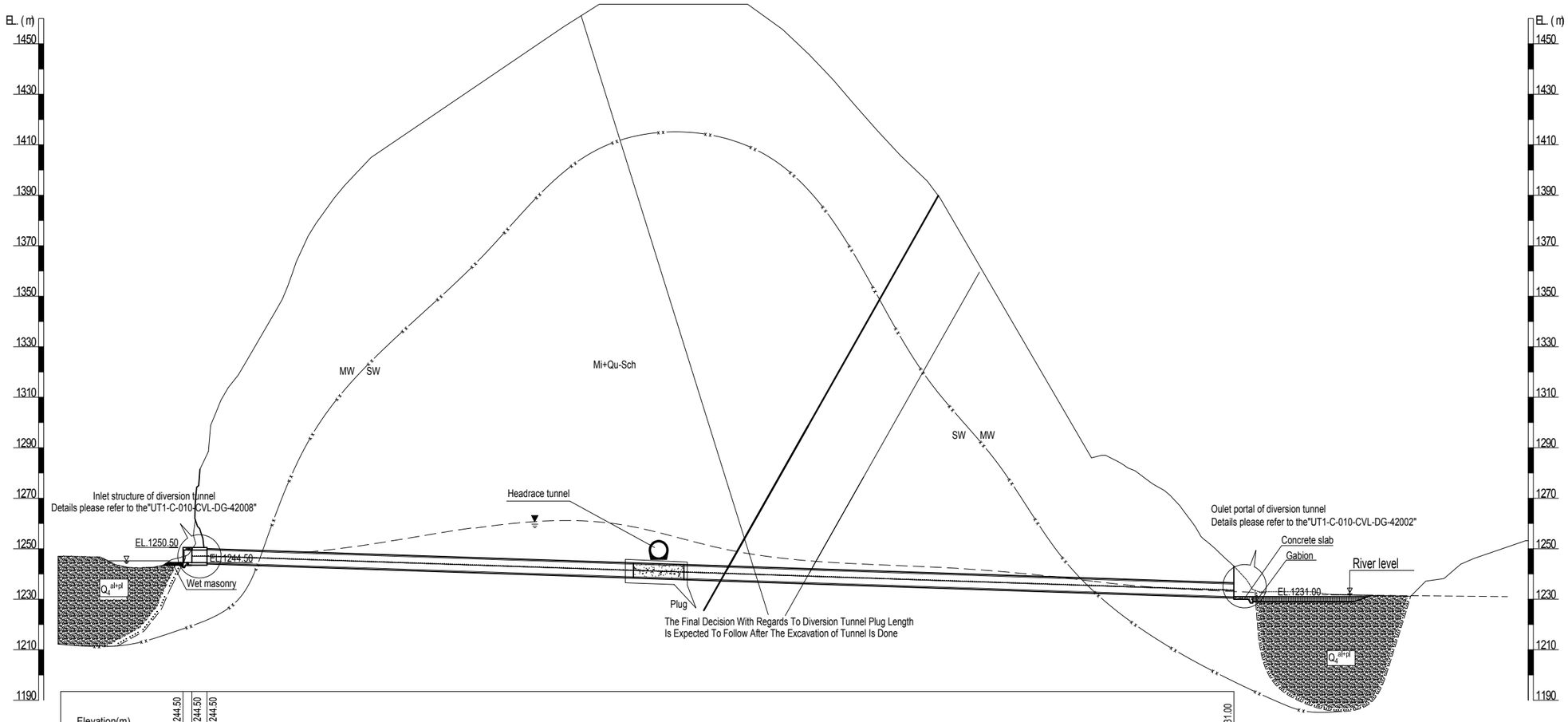
# Longitudinal Profile of Diversion Tunnel

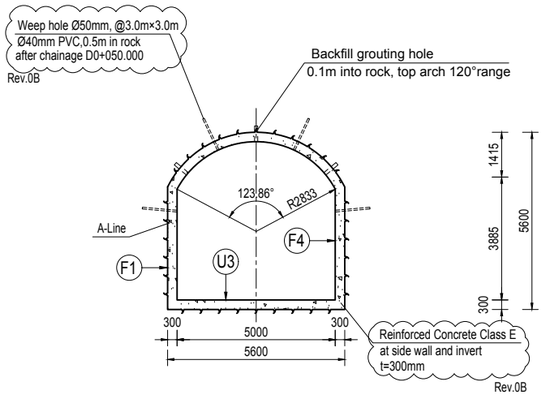
Scale 1:1000




| | | |

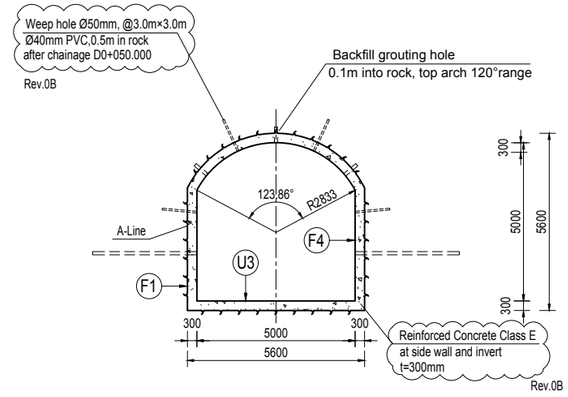
## Typical Cross Section D1
(for rock class II)

Scale 1:100



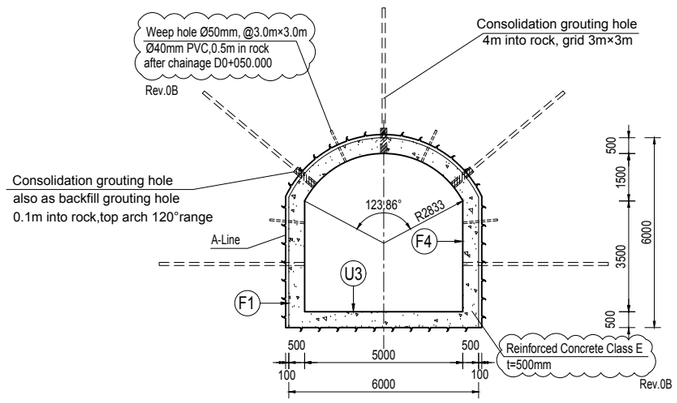

## Typical Cross Section D2
(for rock class III)

Scale 1:100




## Typical Cross Section D3
(for rock class IV)

Scale 1:100

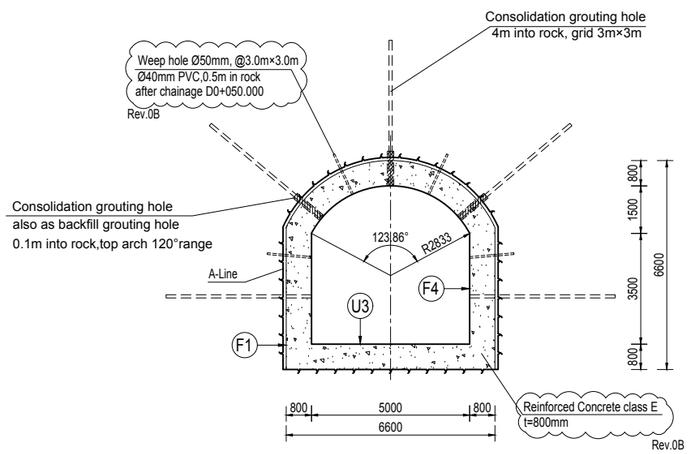



Rev.0B

## Typical Cross Section D4 (for plug)

CHAINAGE D0+175.039-D0+195.039

Scale 1:100




Formed Surfaces

- (F1) Upon or against which backfill or concrete is to be placed.
- (F2) Not permantently concealed by backfill or concrete, and not required to have F3 or higher.
- (F3) Structures prominently exposed to public view where appearance is of special importance.
- (F4) Subject to destructive water flow velocities including the surfaces within 3m D/S of hydraulic gates.

Unformed Surfaces

- (U1) Screeded finish
- (U2) Floated finish
- (U3) Troweled finish

SCALE:

1:100 0 1 2 3 4 5m

NOTE

1. Coordinates, chainages & elevations are in meters,and all dimensions are in millimeters unless otherwise stated.
2. Symbol description:
   A-Line is the design excavation line.
   D denotes deformed bar, yield strength of the deformed bar is 500MPa;
3. Strength specification of concrete & shotcrete:
   (1) Concrete class E: Cylinder specified compressive strength 24MPa at 28 days.
   (2) Shotcrete: Cylinder specified compressive strength 25MPa at 28 days.
4. Other notes refer to the 1st drawing.

REFERENCE DRAWINGS

| | |
|---|---|
| UT1-PC-DHI-TE-MS-037 | Concrete Linning Method Statement of DT |
| UT1-C-010-CVL-DG-42001 | Arrangement Drawing of Diversion Tunnel |
| UT1-C-010-CVL-DG-42002 | Excavation and Support Drawing of Inlet and Outlet of Diversion Tunnel |
| UT1-C-010-CVL-DG-42003 | Excavation and Initial Support Drawing of Diversion Tunnel |
| UT1-C-010-CVL-DG-42008 | Outline of Diversion Tunnel Intake Tower |

SYMBOL AND LEGEND

**FOR APPROVAL**

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| 0A | 15.MAR.2022 | FIRST ISSUE | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT.LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE  jade CONSULT

CONTRACTOR

DOOSAN Enerbility

DRAWING TITLE

OUTLINE DRAWING OF DIVERSION TUNNEL LINING(2/2)

| DRAWING NUMBER | SHEET NO. | REV. NO. |
|---|---|---|
| UT1-C-010-CVL-DG-42005-2 | 2 OF 2 | 0B |